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Developing Human Infrastructure in Research Libraries to Support Research Data Services

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IASIST 2016
Bergen, Norway

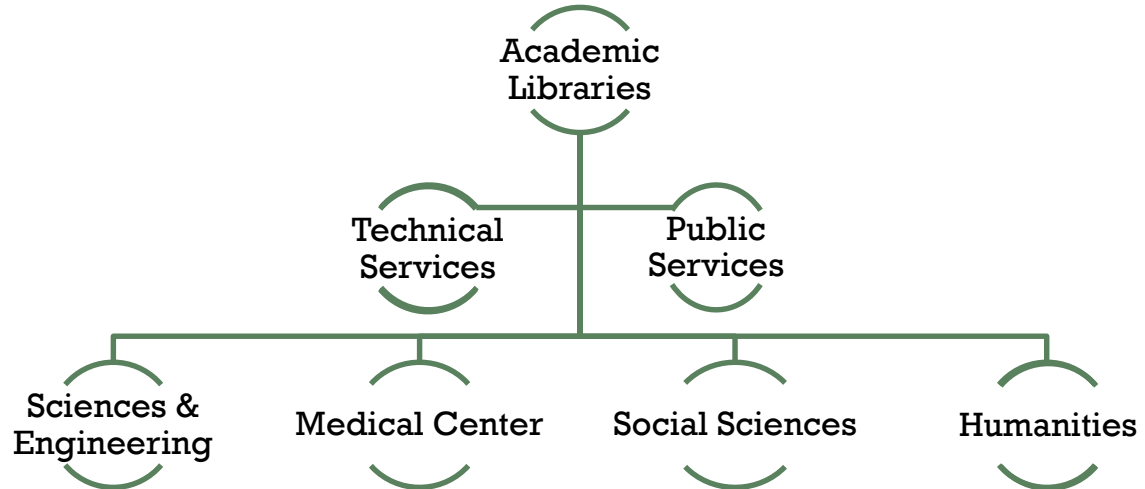
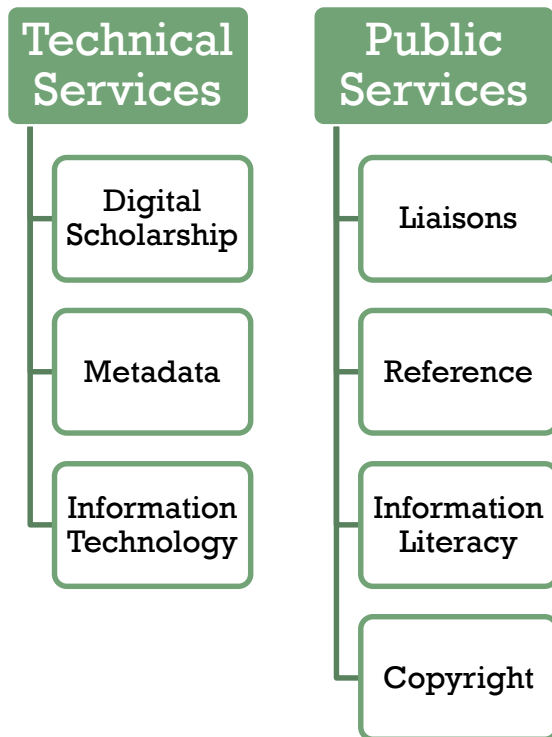
Technological & human
Infrastructure supporting
data stewardship are pre-
conditions to meaningful
access & reuse, as
“homeless” data quickly
become no data at all.

(Berman and Cerf 2013)

Developing Human Infrastructure in Research Libraries to Support Research Data Services

Christie Peters, University of Kentucky Libraries

+ The Complexity of RDM Support in Libraries





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CHRISTIE PETERS

Head, Science & Engineering Library and
Coordinator of eScience Initiatives



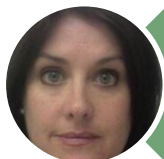
ROBERT SHAPIRO

Assistant Director, Research, Education & Clinical
Services Division, Medical Center Library



ADRIAN HO

Director, Digital Scholarship



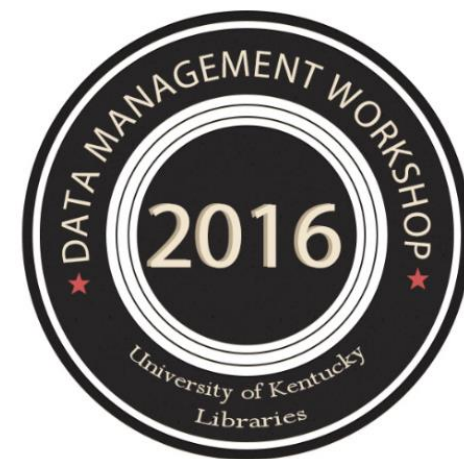
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Head, Distance Learning Library Service



SARAH STAMANN

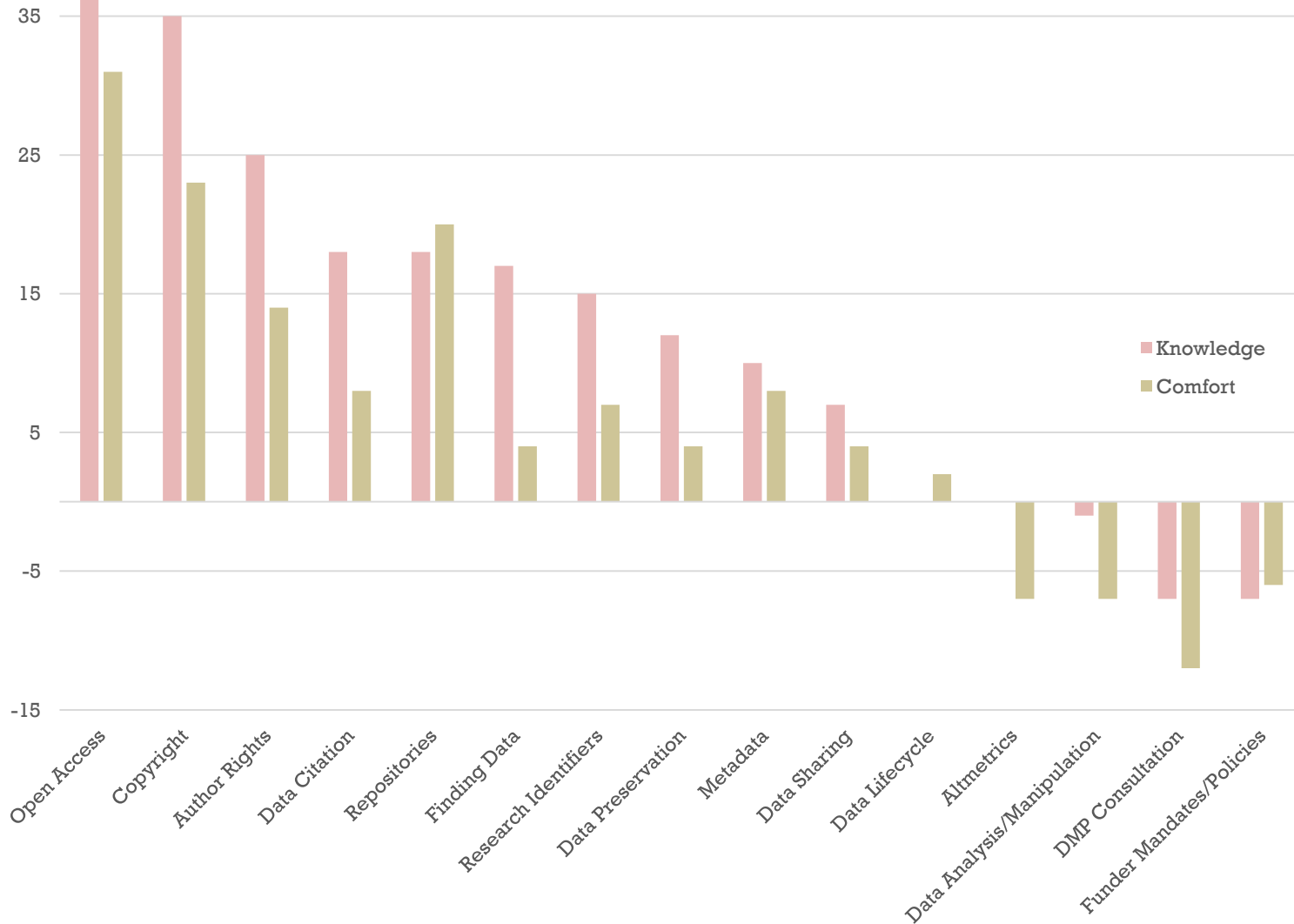
Graduate Assistant,
Science & Engineering Library



+ Pre-Workshop Survey

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Knowledge & Comfort on Data-Related Topics

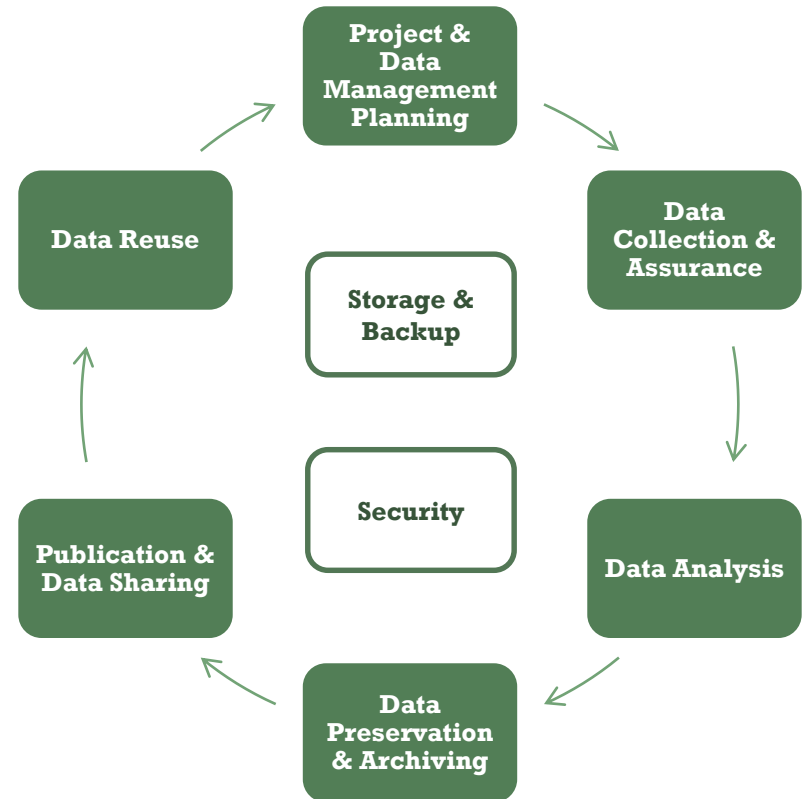


+ RDM Workshop

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■ Objectives:

1. Describe the research data lifecycle & the importance of RDM best practices
2. Develop expertise with the research data lifecycle through hands-on activities
3. Demonstrate RDM best practices through the development of a DMP for a research case study using DMPTool





RDM Workshop

- Day 1: Workshop Overview, Research Data Lifecycle, Introduction to DMPTool
- Day 2: Data Formats, Naming Conventions & Data Description
- Day 3: Data Storage, Backup & Security
- Day 4: Data Sharing, Preservation & Archiving
- Follow-Up: Brown Bags & Guest Speaker

- **Dates:** February 2-5
 - ❖ 3 – half days, 1 – full day
- **Attendees:** Liaison Librarians
 - ❖ 14 participants w/ ~ 20 years of service
- **Guest Speakers:** UK Campus
 - ❖ 9 speakers from service units & departments at UK



Day 1 – Overview

- Associate Director, Proposal Development Office
- Professor & Interim Director HPC, Chemical & Materials Engineering

Day 2 – Metadata

- Research Staff, Biosystems & Agricultural Engineering

Day 3 – Storage, Backup & Security

- Chief Information Security Officer, Campus IT
- UK Records Manager, Libraries
- Technical Services & University Archivist , Libraries

Day 4 – Data Sharing

- Assistant Professor, Political Science
- Louis Boyarsky Professor, Physiology

Day 4 – Archiving & Preservation

- COO & Service Manager, DPN

**Workshop
Guest Speakers**

+ Workshop Case Study

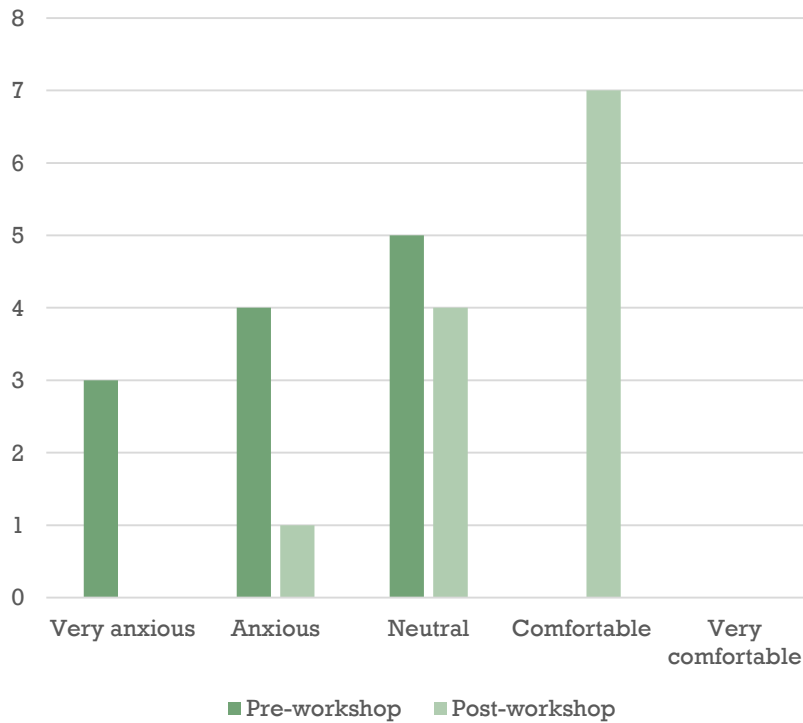
- Case Study: Combining data from 10 years of research for retrospective studies on the effects of exercise and diet on the risk of diabetes
 - New England Collaborative Data Management Curriculum (NECDMC)
- Assigned interdisciplinary teams
- At the end of each presentation, teams worked on related aspects of the case study
- Groups shared DMP with cohort one week after workshop



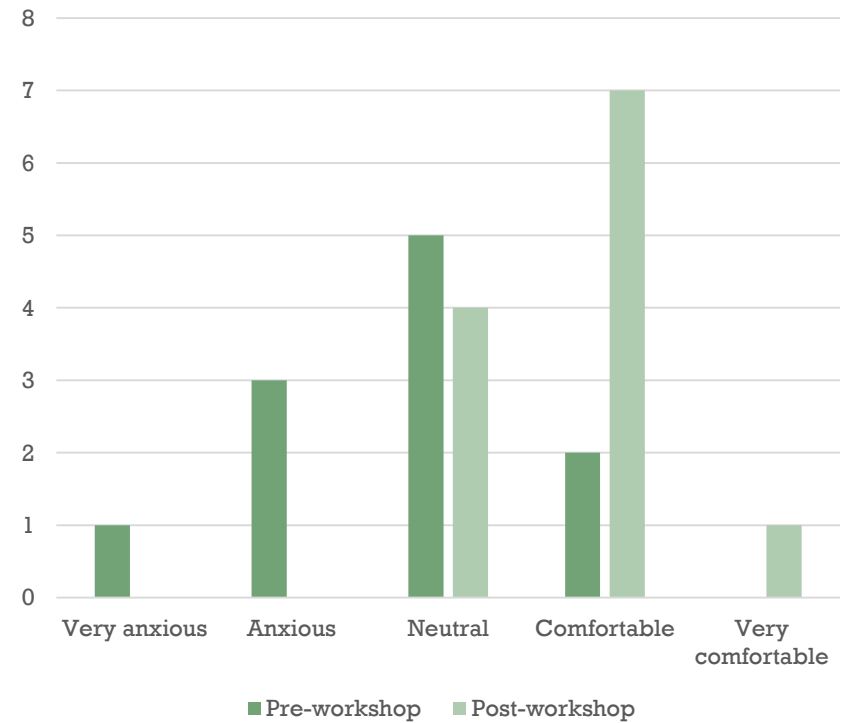
Post-Workshop Survey Results

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Comfort-Level
DMP Consultation



Comfort-Level
Funder Mandates & Policies





Post-Workshop Survey Results

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- Favorite part of workshop
 - Guest speakers
- Least favorite part of workshop
 - Difficulty of learning DMPTool
- General comments
 - More pre-reading
 - Discipline-specific case studies
 - More time dedicated to DMPTool

Brown Bags

❖ Open Educational Resources

- Adrian Ho & Carla Cantagallo

❖ Data Management Resources

- Christie Peters

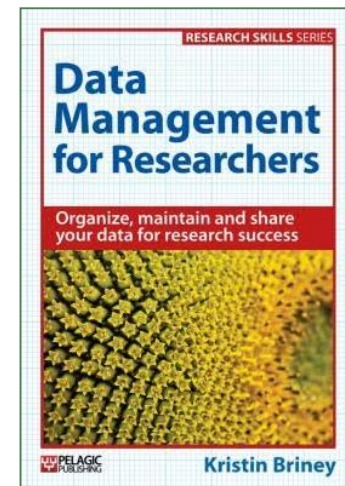
❖ Funder Mandates

- Robert Shapiro

External Speaker:

❖ Kristin Briney

- Data Librarian @ University of Wisconsin-Milwaukee Libraries
- Author, Data Management for Researchers: Organize, Maintain, and Share Your Data for Research Success



+ Next Steps

- 2017 RDM workshop
- RDM badging program
- Administrative data services committee

REFERENCES

- Berman, F. and V. Cerf (2013). "Who Will Pay for Public Access to Research Data?" Science **341**: 616-617.
- Bresnahan, M. M. and A. M. Johnson (2013). "Assessing Scholarly Communication and Research Data Training Needs." Reference Services Review **41**(3): 413-433.
- New England Collaborative Data Management Curriculum (NECDMC) – library.umassmed.edu